DOBECTSO CEOSOL

AUS920010142US1 Arndt et al. Method and Apparatus for Isolating railing Hardware in a PCI Recoverable Error

2/3 TO AND FROM 200 PCI HOST BRIDGE

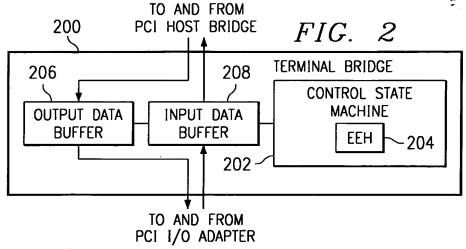


FIG.

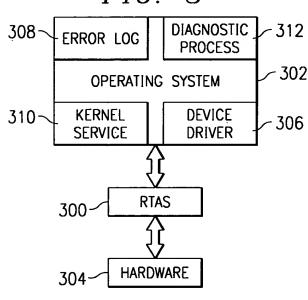
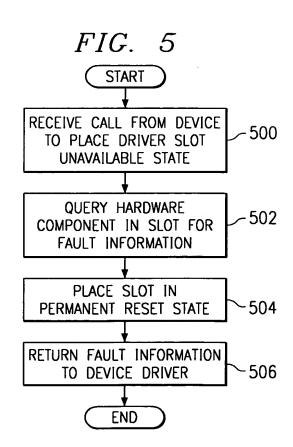


FIG. **START** 600 **DETECT** NO REPLACEMENT OF **DEVICE?** YES RESET SLOT TO AVAILABLE STATE 602

END



3.4

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OPERATION TO BE

RETRIED IF EEH STOPPED STATE WAS DETECTED

AUS920010142US1 Arndt et al. Method and Apparatus for Isolating railing Hardware in a PCI Recoverable Error 3/3FIG. 4 **START** SYSTEM STARTED OR PCI ADAPTER -400 HOT-PLUGGED INTO ITS SLOT IF ERROR COUNT FOR ADAPTER IN 402 OPERATING SYSTEM DEVICE DRIVER= O, SET ERROR COUNT TO ZERO 404 PCI ADAPTER OPERATION PERFORMED 406 PCI **RECOVERABLE** NO ERROR DETECTED BY HARDWARE YES 408 **RECOVERABLE** ERROR IS REPORTED NO 420 AS A TARGET OR MASTER ABORT HARDWARE STOPS SLOTS RETURNING ALL "1's" FOR ANY READ YES DEVICE DRIVER DETECTS DEVICE DRIVER INCREMENT POSSIBLE EEH STOP STATE COUNT OF ERRORS (ALL "1's" RETURN), AND QUERY TERMINAL BRIDGE 410 **THRESHOLD** 422 EEH OF ALLOWED ERRORS YES STOP STATE **EXCEEDED?** DEVICE DRIVER LOGS AN ERROR 412 TNO 424 **T**YES TO SYSTEM INITIATE OTHER DEVICE DRIVER MAKES FIRMWARE WITHOUT DETAILED ERROR PROCESSING CALL TO MARK PCI SLOT AS FAULT ISOLATION PERMANENTLY UNAVAILABLE ~414 DEVICE DRIVER 426 RESETS PCI SLOT DEVICE DRIVER LOGS ERROR TO ALLOW

INFORMATION AND

ENDS USAGE OF THE ADAPTER

END

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